IBM 8275 Model 416 High Performance Ethernet
Switch

Release Notes for Operational Code Version 1.0 - June 1999

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May 1999

These Release Notes apply to Version 1.0 of the Operational Code for the IBM 8275 Model 416 High Performance Ethernet Switch.

Submit any questions or comments about the contents of this document by visiting this web site:

`http://networking.ibm.com/support`

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Contents

Version 1.0 Release Notes

Where to Go for Information

Code updates

The latest 8275-416 operational code may be obtained using either of these methods:

- Retrieve it from our Web site at http://www.networking.ibm.com/support.
- If the 8275-416 is under warranty, contact your reseller or call IBM:
  - In the United States, call IBM at **1-800-772-2227**.
  - In Canada, call IBM at **1-800-IBM-SERV (1-800-426-7378)**.
- If the 8275-416 is not under warranty, call IBM at **1-800-IBM-SERV (1-800-426-7378)**.

Product Information

Visit the IBM Web site:

`http://www.networking.ibm.com/did/8275bks.html`

for the latest versions of the ***IBM 8275 Model 416 High Performance Ethernet Switch***:

- ***Installation Guide***
- ***User's Guide***
- ***Removal Replacement Instructions for Feature Modules***
- ***Release Notes***

Network Management Applications

Network management using graphical network management applications is provided by the following IBM Nways Network Management products:

- IBM Nways Manager for NT V2.0 or later
- IBM Nways Manager for HP-UX V2.0 or later
- IBM Nways Manager for AIX V2.0 or later

The latest information about these products can be obtained from our Web site at:

`http://www.networking.ibm.com/netmgt`

Questions

To report problems or ask questions visit the IBM Web site:

`http://www.networking.ibm.com/support`

or

- If the 8275-416 is under warranty, contact you reseller or call IBM. In the United States, call IBM at **1-800-772-2227**; in Canada, call IBM at **1-800-IBM-SERV (1-800-426-7378)**.
- If the IBM 8275-416 is not under warranty, call IBM at **1-800-IBM-SERV (1-800-426-7378)**.

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Known Problems

Incorrect Statistics

The following Statistics counters can be incorrect:

- Undersized packets received
- Oversized packets received
- CRC errors
- Alignment errors

The hardware counters do not correctly detect Undersized or Oversized packets received. The hardware detects these packet types as CRC or alignment errors.

The following counters will always return a value of zero:

- Drop Events
- Transmit Packet Errors
- Receive Packet Discards
- Transmit Packet Discards
- Receive Packet Unknown Protocol
- Transmit Queue Length

SNMP Community Configuration from the Web Interface

On the SNMP Community Configuration panel when using the Web Interface, the column titled ″IP Address″ should be named ″Client IP Address″, and the column titled ″Subnet Mask″ should be named ″Client IP Mask″.

Accessing the 8275-416

This section contains information about logging on to the terminal interface and about configuration settings for the terminal emulation sessions. For more information, see the 8275-416 *User's Guide*.

Login Name and Password

To access the 8275-416 using a VT100 terminal emulation application (EIA 232 port or telnet) or Web browser, you must enter a login name and password. The default read/write access login name is ″admin″ with no password, and the default read-only access login name is ″guest″ with no password. You should change the login password to a more secure password. If you forget your read/write user name or password, contact IBM using the telephone numbers listed under the ″Questions″ or ″Code Updates″ sections above.

Using the 8275-416 EIA 232 Port

To connect a workstation directly to the 8275-416's EIA 232 port, a null modem cable is required. To connect a modem to the 8275-416's EIA 232 port, use a standard EIA 232 cable. Configure your terminal emulation application with:

- 19200 bps
- No parity
- 8 data bits
- 1 stop bit
- No flow control
- VT100 emulation
- The communication port

Default SNMP Community Names

To access the 8275-416 using SNMP, the default SNMP read/write community name is ″private″ and the default read-only community name is ″public″. You should change the community name to a more secure name.

8275-416 MIB Information

The latest IBM 8275-416 MIB can be obtained from our Web site at:

`http://www.networking.ibm.com/support`

Be sure you use the 8275-416 MIB Version 1 with operational code version 1.0.

The following objects in the 8275-416 MIB are not supported by this version of code:

- swPortMonitorNetworkConnection
- swDevTrapConsole

Whenever the above objects are accessed, the 8275-416 will return an SNMP GetResponse-PDU[2] error-status = no SuchName(2)

Operating Considerations

Considerations When Using the Terminal Interface

The terminal interface uses VT100 terminal emulation and can be accessed using either the EIA 232 port or telnet. Up to 6 terminal interface sessions (1 EIA 232 and up to 5 telnet) can be simultaneously active. The terminal interface supports 1 user

name with read/write access and up to 5 user names with read only access. All active users will see the same information, including any configuration changes that have not been applied yet. Each user's screen will automatically refresh with the latest information every few seconds. When multiple users are logged in, it is recommended that only 1 session is logged on using the read/write user name to avoid conflicting configuration changes.

When logged on using the EIA 232 port and the screen does not display a complete menu (for example, the EIA 232 cable was used on another device and then moved back to the 8275-416) a key that is valid for the current 8275-416 menu must be pressed to refresh the entire screen. F1 (Help Menu) or F3 (Previous Menu) are keys that can be pressed in this situation since they are valid on almost all screens.

Considerations When Using the Web Interface

All Web browsers do not take the same action when the Enter key is pressed. For example, Microsoft © Internet Explorer © will generate a ″submit action on the next available button″ when the Enter key is pressed while in an input field. On most menus, this will trigger the Apply function.

Considerations When Using Windows NT DHCP Service

If you are using Windows NT© DHCP Service, reload service pack 4, or later version, for Windows NT 4.0 to ensure that you have the latest fixes or the 8275-416 will not work correctly with the DHCP Service in Windows NT. To set up the DHCP service to work correctly with the 8275-416, create a reservation. Be sure to set the IP Address, Subnet Mask, Router, and Host Name as options in the DHCP Service. If you do not set the option for the Host Name then when the 8275-416 gets the IP Address from the DHCP Service the client name in the DHCP Service is deleted.

Port Monitoring Configuration Changes

Disabling the port monitoring function will disrupt network traffic for a brief interval (less than two seconds). This also occurs when changing the port being monitored if monitoring has previously been enabled.

Updating 8275-416 Operational Code

This section contains the following information:

- Obtaining 8275-416 operational code
- Loading 8275-416 operational code using XMODEM or TFTP

To determine the code version currently loaded on the 8275-416, either of the following methods can be used:

- On the Login panel displayed using the terminal interface, look at the lower right corner and the version number appears after the word ″Operational″.
- On the Inventory Information Menu under the System Information Menu, look at the value given for ″Software Version″.

Obtaining New 8275-416 Operational Code

All of the code necessary for the 8275-416 to operate is contained in a single binary file. For information on how to obtain the most recent version, see section ″Code Updates″ under ″Where to Go for Information″.

Loading New 8275-416 Operational Code

The code can be loaded onto the 8275-416 using either XMODEM (EIA 232 port only) or TFTP. To start executing the new code, the 8275-416 must be reset.

Loading Using XMODEM

To load new code using XMODEM, you must be using the EIA 232 port:

1. Put the file containing the new code on the workstation that is connected to the 8275-416 EIA 232 port.
2. Log on to the 8275-416 using your terminal emulation software and your read/write user name and password.
3. If your terminal baud rate has not been changed from the default value of 19200 bits per second, you may want to configure the 8275-416 and the terminal emulation software for a higher baud rate so that the file transfer goes faster.
4. Select the System Utilities Menu and then the Download File to Switch Menu.
   a. Make sure that Download Mode is set to ″XMODEM″.
   b. Change Start File Transfer to ″Yes″.
   c. Select APPLY.
5. When the message ″Ready to Receive File code.bin in binary mode″ appears, indicate to your terminal emulation application to start the file transfer. Specify:
   - XMODEM or 1K-XMODEM for the protocol. 1K-XMODEM causes the file transfer to occur faster.
   - The filename of the file to be transferred. Use the backslash (\) to separate the path name from the file name; use the forward slash ″/″ for AIX systems.
6. After the file transfer is complete, the 8275-416 will automatically copy the code to flash. Once the message ″File transfer operation completed successfully.″ appears, at any time you can reset the 8275-416 to execute the new code. Go to the System Utilities Menu, select **Reset Menu**, and then select **System Reset**.

Loading Using TFTP

TFTP code transfer can be done through the terminal interface, Web, or SNMP. The following instructions are for using the terminal interface:

1. Put the file containing the new code on your TFTP server. Make sure that the permission code for the file allows read access or ″others″. For example, on AIX or UNIX systems, specify **chmod o+r *FILE*** where *FILE* is the name of the file to be transferred.
2. Log on to the 8275-416 using your terminal emulation software and your read/write user name and password.
3. Select the System Utilities Menu and then the Download File to Switch Menu.
   a. Make sure that Download Mode is set to ″TFTP″.

b. Configure the appropriate values for TFTP Server IP Address, TFTP File Path, and TFTP File Name. Use the backslash (\) to separate the path name from the file name; use the forward slash ″/″ for AIX systems.

c. Change Start File Transfer to ″Yes″.

d. Select APPLY.

4. After the file transfer is complete, the 8275-416 will automatically copy the code to flash. Once the message ″File transfer operation completed successfully.″ appears, at any time you can reset the 8275-416 to execute the new code. For example, go to the System Utilities Menu and select **Reset Menu**, and then select **System Reset**.

For a description of the messages displayed during a TFTP file transfer, refer to the User's Guide.

Documentation Changes

User's Guide Changes

The following changes are to the *IBM 8275 Model 416 High Performance Ethernet Switch User's Guide* (First Edition, May 1999). The changes are ordered by topic and by page number within each topic, if more than one change occurs.

Remotely Attached Terminal

On Page 13, add the following text as a bullet to item d.: ″Set the modem as a 'pass thru' device (setting the modem to dumb mode [No response in/out to AT commands.]).″

SNMP-Based Management Interface

On page 14, the following text is added to Table 3.

Note: The following are exceptions to the MIBs in Table 3.

MIB-II (RFC 1213):

Address Translation (AT) Group

all the objects are read-only; none of them are read/write.

Interface Groups

- For Ethernet ports, ifAdminStatus is a read-only object instead of read/write. To modify the status of a port interface via SNMP, swPortCtrlAdminMode in the 8275-416 private MIB must be used. There is no explicit ifAdminStatus associated for the Management Interface via MIB-II or any other MIB or access method.
- The value returned for ifNumber does not include the Management Interface (that is, the value of ifNumber will only reflect the number of ports in the switch). If there are 32 ports, ifNumber will incorrectly be 32 instead of being 33.
- The Interface counters for the Management Interface are not available via SNMP. They are available via the Terminal Interface and the Web.

IP Group

- ipNetToMediaTable is read-only, not read/write
- ipAddrTable is not supported

- ipRouteTable is not supported

EPG Group
is not supported.

Definition of Managed Objects for Bridges (RFC 1493):

dot1dStp
dot1dStpPortEnable is a read-only object instead of read/write. To modify the administrative state of an interface via SNMP, you must use swPortCtrlAdminMode in the 8275-416 private MIB.

dot1dSr Group
is not supported.

IEEE 802.3 Ethernet MIB (RFC 1643):

dot3StatsTable Group
The following objects are not supported:

- dot3StatsSQETestErrors
- dot3StatsDeferredTransmissions
- dot3StatsLateCollisions
- dot3StatsInternalMacTrasmitErrors
- dot3StatsCarrierSenseErrors
- dot3StatsInternalMacReceiverErrors
- dot3StatsEtherChipSet

dot3CollTable Group
is not supported.

dot3Tests Group
is not supported.

dot3Errors Group
is not supported.

RMON MIB (RFC 1757): It is recommended that a Remote Monitor Application be used to manipulate RMON MIB objects. Unexpected results can occur if a SNMP MIB browser is used to manipulate RMON MIB objects.

Note: The 8275-416 only supports up to 10 history buckets per history instance.

Port Monitoring

On Page 45, add the following text to the first paragraph under the section Configuring Port Monitoring, ″The selected probe port also receives and transmits network traffic which allows a device connected to the probe port to be managed over the network (in-band connectivity).″

On Page 46, add a second paragraph under Monitoring Port to read: ″When Port Monitoring is Enabled, make sure that the monitoring port is connected to a network analyzer and not to the network itself to avoid potential problems.″

Warm Start Trap

On Page 37, remove the first bullet item ″Warm Start″ from the Trap description. The 8275-416 does not send a Warm Start trap.

Read Only User Access

On Page 34, add the following information to the description of Access Mode under Configuring the SNMP Community section: ″A community name with read only access is restricted from viewing SNMP community and SNMP trap receiver information.″

On Page 52, add the following information to the description of Read Only Access Mode under the User Account Management section: ″A user with read only access is restricted from accessing the SNMP Community Configuration menu, SNMP Trap Receiver Configuration menu, User Account Management menu, and System Utilities menu. When a read only user tries to modify a configuration parameter on a menu, the data is not accepted and is not processed.″

Updating Network Configuration Protocol

On Page 33, add the following new paragraph to the end of the Configuring 8275-416 for DHCP or BootP Server: ″After modifying the Network Configuration Protocol Desired″ parameter, the change does not take effect until a Save is issued and the switch is reset.″

Using Ping

On Page 40, replace the last sentence under the description for Command under the Ping section with the following: ″To stop sending pings, press any key that moves the cursor from the current field.″

SNMP Configuration

On Page 33, add the following information to the first paragraph under Configuring SNMP Community: ″Community names in the SNMP community table must be unique. If multiple entries are made using the same community name, the first entry is kept and processed and all duplicate entries are ignored.″

On Page 35, add the following information to the paragraph under Configuring the Trap Receiver: ″IP Addresses in the SNMP trap receiver table must be unique. If multiple entries are made using the same IP address, the first entry is kept and processed and all duplicate entries are ignored.″

On Pages 34 and 35, modify the descriptions of the SNMP Community and Configuring the Trap Receiver, respectively, to indicate that the SNMP community name can be up to 16 characters and the community name is case sensitive. (The current User's Guide incorrectly indicates that the community name can be up to 32 characters.)

On Page 35, the default value for the Status of the four undefined SNMP community names for the SNMP community table and the 6 undefined SNMP community names in the Trap Receiver Table are changed from Disable to Delete.

Configuring the SNMP Community

On Page 34, under Client IP Address,

- Replace the second sentence with: ″The requesting entity's IP address is logical-ANDed with the Client IP Mask and the result must match the Client IP Address.″

- Add at the end of the paragraph: ″The default value for the Client IP Address is 0.0.0.0.″

On Page 34, under, Client IP Mask

- Replace the first sentence with: ″This attribute is a mask to be logical-ANDed with the requesting entity's IP address before comparison with the Client IP Address.″
- Add at the end of the first paragraph: ″In order to have a specific IP address be the only authenticated IP address, set the Client IP Address to the desired IP address and set the Client IP Mask to 255.255.255.255. The default for the Client IP Mask is 0.0.0.0.″

Spanning Tree Algorithm Default

On Page 47, the last sentence under the description for Spanning Tree Algorithm should be ″The default is Disable.″

Configuring Telnet

On Page 39, add these sentences to the end of the paragraph for Telnet Login Timeout: ″Note: Changing the timeout value for active sessions does not become effective until the session is re-accessed. Any key stroke will activate the new timeout duration.″

Configuring Broadcast Storm Recovery

On Page 48, add this text after the first paragraph: ″When Broadcast Storm Recovery Mode is Enable and the broadcast traffic on any Ethernet port exceeds 20% of the link speed, the 8275-416 will block (discard) the broadcast traffic until the broadcast traffic returns to 10% or less. When the Broadcast Recovery Mode is Disable, then the 8275-416 will not block any broadcast traffic on any Ethernet port.

File Transfer Results

The following information is added to Page 56. The 8275-416 displays result messages to indicate the status of a file transfer. The following table shows possible results and possible causes for these messages:

Downloading Code or Configuration to the Switch:

Message	Explanation
TFTP in progress...	The switch has initiated the file transfer with the TFTP server.
Can't start...previous transfer is not complete yet!	Another TFTP operation is still taking place. Only one TFTP operation can occur at a given time. This includes both download and upload operations. Wait until the previous operation completes.
TFTP receive complete...storing in flash...	For Code only: The file has been successfully transferred to the switch and passed all the verification tests. It is now being stored permanently in flash memory.
TFTP receive complete... updating configuration	For Configuration only: The switch has received the file and will verify its integrity. The file will be stored in flash if it passes the integrity checks. The switch will reset itself after storing the file in order for the newly loaded configuration to take effect.

Message	Explanation
File transfer operation completed successfully.	The file has successfully been stored in flash. The switch may be reset now for the new code to become operational.
File failed CRC check!	The switch received the file, but detected a CRC error. Because the file is corrupted, it will not be stored in flash. Try obtaining another copy of the file.
This file is not intended for this product!	The switch received the file, but detected that the file was not meant for the 8275-416. The file will not be stored in flash. If this is for a code update, obtain the correct software image from the IBM Web site. If this is for configuration, make sure that the configuration file originated from a 8275-416.
Failure while storing in flash!	The switch successfully received the file, and began storing the image in flash; however, an error occurred during the process. For Code only, the flash is most likely corrupt now and new code will have to be downloaded via the bootcode utility function. For Configuration, retry the download. If the file transfer still fails, contact your IBM service representative.
File transfer failed!	A general error occurred. The most likely cause for this message is when the switch cannot complete the TFTP operation. This may happen if you have not entered the correct IP address for the TFTP server, or if an IP address has not been set up on the 8275-416. Check to see if your IP addresses are configured correctly. Also, make sure that you can ping the TFTP server from the Ping Menu. This error could also occur if you entered an incorrect path or file name. Check to make sure these fields match the file location on the TFTP server.

Uploading Trap Log, Error Log, Configuration, or System Trace from the Switch:

Message	Explanation
TFTP in process...	The switch has initiated the file transfer with the TFTP server.
Can’t start...previous transfer is not complete yet!	Another TFTP operation is still taking place. Only one TFTP operation can occur at a given time. This includes both download and upload operations. Wait until the previous operation completes.
Error while preparing file for transfer.	Before uploading a file, the switch must prepare that file for transfer. This message means that there was a problem either in reading the information required for making the file, or there was a problem creating the file. Contact your IBM service representative.

Message	Explanation
File transfer failed!	A general error occurred. The most likely cause for this message is when the switch cannot complete the TFTP operation. This may happen if you have not entered the correct IP address for the TFTP server, or if an IP address has not been set up on the switch. Check to see if your IP addresses are configured correctly. Also, make sure that you can ping the TFTP server from the Ping Menu. This error could also occur if you entered an incorrect path or file name. Check to make sure these fields match the file location on the TFTP server.
File transfer completed successfully	The switch successfully sent the file to the TFTP server.

Handling Files

On Page 56, add the following text to File Name after the last sentence, ″File path can be appended to the file name if the string is less than 17 characters. Otherwise, the File Path field will need to be used and the File Name will be appended to the File Path as is. An example would be File Path set to ***c:\tftp\code*** and File Name set to ***e1r1v0.opr***.″

Debug Utility

On page 59, remove this section.

Using the Web Interface

On Page 61, Chapter 5. Using the Web Interface, add the following paragraph: ″A user name and password is required to access the 8275-416 using the a Web browser. The user name and passwords are the same ones that are used for the terminal interface. The value configured for the telnet login inactivity timeout also applies to the Web interface. For more information about the telnet login timeout, see Configuring Telnet on page 39.″

Choosing a Troubleshooting Procedure

On Page 64, add a new Symptom and LED State to Table 4 to read:

8275-416 not operational due to a port diagnostics failure. A ***9*** displayed in the single-digit display indicates a diagnostics problem with the feature module in Slot 1 (left side of 8275-416); an ***a*** displayed indicates the problem is with the feature module in Slot 2 (right side).

Also, add the new Action for the above symptom to Table 4 to read:

Go to ″Procedure E″ on page 65.

On Page 65, add a new heading to read **Procedure E**, and the following procedure:

If a port failure is detected during diagnostics, the switch is not operational and the Fault LED is On. To isolate this problem, do the following:

1. Ensure that the feature modules are seated correctly. Reset the 8275-416.
2. If the 8275-416 still has the problem with the feature modules installed, remove them.

3. Reset the 8275-416.
4. If the 8275-416 comes up, reinstall the feature modules one at a time, and reset the 8275-416 to determine the failing feature module.
5. If the 8275-416 still has the problem with the feature modules removed, then the 8275-416 is defective and needs to be replaced.

Apply on the Terminal Interface

APPLY always appears on the Command Bar on the terminal interface. All references to APPLY only appearing after a configuration change or APPLY no longer appearing should be ignored.

Installation Guide Changes

The following are changes to the *IBM 8275 Model 416 High Performance Ethernet Switch Installation Guide* (First Edition, May 1999).

Power Cord

Power cords are shipped only to the United States, Canada, and Japan. Customers in other countries should contact their IBM Sales Representative for the appropriate power cord feature, which must be ordered separately.

8275-416 LED Status

On page 14, replace the LED Status table with the following:

LEDs			Explanation
I (Green)	**OK (Green)**	**Fault (Yellow)**	
Off	Off	Off	No power is present, or there is a power supply failure. The 8275-416 is NOT operational.
On	On	Off	The 8275-416 is operational.
On	Blinking	Off	Configuration file or Operational Code file transfer is in process. DO NOT power-off or reset the 8275-416.
On	Off	On	There is a hardware fault. The 8275-416 is NOT operational.
On	Off	Blinking	Diagnostics are in process. The 8275-416 is NOT yet operational.

Note: Any other state of the LEDs indicates an LED failure.

Safety Notice

Add the following safety notice to Appendixes A for the Installation Guide, User's Guide and the Removal Replacement Instructions for Feature Modules.

Danger: Double-pole/neutral fusing in the power supply. Power might present in the product unless the power cord is unplugged.

Cuidado: Fusível bipolar/neutro na fonte de alimentação. Pode haver energia presente no produto, a menos que o cabo de alimentação esteja desconectado.

Waarschuwing:

Dubbelpool/neutraal zekering in de voedingseenheid. Er kan spanning in het product aanwezig zijn zolang de stekker in het stopcontact zit.

Pas på!

Strømforsyningsenheden; er sikret til brug ved 110 og 220 volt. Der kan være; spænding; i produktet, medmindre netledningen er trukket ud.

VAARA: Virtalähde on varustettu kaksinapaisella sulakkeella, jossa on myös maanapa. Tuotteessa voi olla jännite, jos verkkojohtoa ei ole irrotettu.

ATTENTION : L'un des deux fusibles est sur le neutre. L'alimentation é lectrique est protégée e par fusibles sur les deux pô les (phase et neutre). Pré sence de courant possible sauf si le cordon d'alimentation est débranché.

Achtung: Zweipolige bzw. Neutralleiter-Sicherung im Netzteil. Netzstecker ziehen, um sicherzustellen, daß; keine Spannung am Gerät; anliegt.

Attenzione: L'alimentatore contiene fusibili su fasi/neutro. Puoò essere presente tensione nell'apparecchiatura se il cavo di alimentazione è collegato.

Advarsel: Topolet/nøytral; sikring i strømforsyningsenheten.; Det kan være; strø.m; i maskinen hvis ikke nettkabelen er dratt ut .

Cuidado:

Protecção (por fusíveis) bipolar com neutro na fonte de alimentação. A menos que o cabo de alimentação esteja desligado, o produto pode estar sob tensão.

Precaución: Hay una fusión de doble polo/neutro en la fuente de alimentación. El producto podría estar cargado eléctricamente a menos que el cable de alimentación esté desconectado.

VARNING: Nõtaggregatet õr dubbelpoligt avsõkrat. Det kan finnas str÷m i produkten sÕvida inte nõtkabeln õr urkopplad.

تحـــذيـــر: القطب الثنائي\محايد الانصهار في مصدر الطاقة .
يمكن أن تكون الكهرباء موجودة في المنتج ما لم يتم فصل سلك
الكهرباء.

Предупреждение: Дублирано - фаза/нула свързване в енергийното захранване. Възможно е наличие на ел.енергия в уреда, докато захранващият кабел не е изваден от контакта.

Opasnost: Energetski izvor opremljen je osiguračima na faznom i nultom priključku. Uređaj moze ostati pod naponom sve dok se priključni kabel ne odvoji od utičnice.

注意：电源中装有双柱式/中性保险丝。除非未插入电源线，
否则产品带电。

注意：電源供應器內含雙極/中性熔絲 (Double-pole/neutral fusing)。
未將電源線自插座拔掉前，本產品內部可能有電存在。

P/N 31L3648

Pozor: V napájecím zdroji je dvoupólové jištění (pojistka ve středním vodiči). Dokud není napájecí šňůra odpojená od sítě, může být zařízení pod napětím.

Προσοχή: Ασφάλεια δύο πόλων/ουδέτερου στην πηγή ρεύματος. Ενδέχεται να υπάρχει ηλεκτρική ισχύς στο προϊόν εάν δεν έχει αποσυνδεθεί το καλώδιο ρεύματος.

זהירות: נתיך דו-קוטבי/נייטרלי באספקת הכוח.
יש לנתק את כבל הכוח כדי למנוע זרם חשמל
במוצר.

Figyelem: A tápegységben kétpólusú biztosíték található. A termék kikapcsolt állapotban is feszültség alatt állhat, kivéve, ha a tápkábel ki van húzva.

注意：
この電源は、2 極／中性線にヒューズを使用しています。
電源コードを抜いていない状態では電圧がかかっています。

주의: 전원 공급 장치에 양극/중성의 퓨즈가 있습니다. 전원 코드가 연결되지 않아도 제품 내에 전원이 잔류할 수 있습니다.

Uzmanību: Divpolu/neitrālā apvienotā strāvas apgāde. Iespējams, ka produktā ir elektriskā strāva, ja strāvas vada kontaktdakša nav izrauta no ligzdas.

Dėmesio: Įrenginyje yra atvirų dvigubų kontaktų su įtampa. Jeigu įrenginys neišjungtas, kai kurios dalys gali būti su įtampa.

Опасност: Во единицата за напојување има двополен осигурувач. Доколку кабелот за напојување не е исклучен, во производот може да биде присутна електрична енергија.

Uwaga: W zasilaczu zamontowany jest bezpiecznik. Dopóki kabel zasilający nie zostanie odłączony w urządzeniu może występować napięcie.

Pericol: O siguranţă neutră/două capete este în sursa de alimentare. Tensiunea poate să fie prezentă în produs dacă nu este scos din priză cablul de alimentare.

Осторожно: Источник питания с двухполюсным предохранителем. Устройство может быть под напряжением, пока вы не выдернете шнур из розетки.

Опасност: Извор напајања је опремљен осигурачима на фазном и нултом прикључку. У уређају може бити присутан напон осим ако је прикључни кабл одвојен од утичнице.

Výstraha: Poistky sú na oboch póloch napájacieho zdroja. Pokiaľ nie je odpojená šnúra zo siete, zariadenie môže byť pod napätím.

Nevarnost: Pri napajalniku je zagotovljeno varovanje polov in nevtralnega vodnika. Napetost je lahko prisotna na izdelku, če priključnega kabla ne potegnemo iz vtičnice.

Dikkat: Güç kaynağı çift kutuplu, topraklı sigorta içerir. Güç kablosu prizden çekilmedikçe üründe elektrik bulunabilir.

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